



Manufacturers of Instruments for
pH, Redox, Specific Ions,
Conductivity, Salinity,
Dissolved Oxygen,
Humidity, Temperature,
for Research and Industry



Manufacturer : Chem-Supply Pty Ltd
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Date : Sep 2009

MATERIAL SAFETY DATA SHEET

Not Classified as Hazardous According to Criteria of Worksafe Australia

IDENTIFICATION

Sodium Sulphite Anhydrous

Part No	Product Code	Description & Volume
123302	GCSUL	Sodium Sulphite, 50g

UN Number : None Allocated
Other Names : Sodium Sulphite Anhydrous A.R.
Sodium Sulphite Anhydrous L.R.
Manufacturers Code : SA011, SL011, ST011
Dangerous Goods Class : None Allocated
Subsidiary Risk : None Allocated
Hazchem Code : None Allocated
Poisons Schedule : Not Scheduled

Uses : Analytical Reagents for calibrating Dissolved Oxygen meters in zero Dissolved Oxygen environment.

Physical Description / Properties :

Appearance : White Crystals or Powder
Specific Gravity : 2.633
Solubility in Water (g/L) : 495 g/L at 40 °C

Other Properties

pH Value : Aqueous solution is alkaline: pH ~ 9
Solubility in Organic Solvents : Soluble in glycerol. Practically insoluble in alcohol.
Form : Solid
Stability : Stable
Materials to Avoid : Acids, water and steam.
Formula : Na₂SO₃
Molecular Weight : 126.04 g/M

Ingredients :

Chemical Entity : Sodium Sulphite
CAS No : [7757-83-7]
Proportion : 90 % to 100 %



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HEALTH HAZARD INFORMATION

Health Effects :

- Swallowed** : Consumption of large quantities may cause gastric irritation.
- Eye** : Irritating to eyes.
- Skin** : Irritating to skin.
- Inhaled** : May cause irritation to respiratory system.
- Other Information** : May also cause retarded growth, nerve irritation, atrophy of bone marrow, depression and paralysis.

First Aid :

- Swallowed** : Rinse mouth thoroughly with water immediately. Seek immediate medical assistance.
- Eye** : Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek medical attention.
- Skin** : Wash affected areas with copious quantities of water. Seek medical attention.
Launder clothing before reuse.
- Inhaled** : Remove victim to fresh air. Employ artificial respiration if indicated. Seek medical advice.

Advice to Doctor :

Consult Poisons Information Centre.

PRECAUTIONS FOR USE

- Exposure Limits** : TWA: 10 mg/m³ - inspirable dust - Worksafe Aust. Info.
- Engineering Controls** : Use in a well ventilated area only. Avoid generating and inhaling dusts. Maintain concentration below recommended exposure limit.
- Personal Protection** : **Eye Protection** : Safety glasses.
Glove Type : Chemically resistant gloves.
Clothing : Wear suitable protective clothing to avoid skin contact.
Protective Equip. : Use dust mask, if dust/mist is indicated.
- Flammability** : Non combustible material.

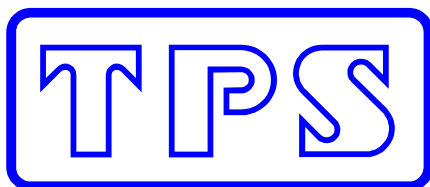


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SAFE HANDLING INFORMATION

- Storage & Transport** : Keep containers closed at all times. Store in a cool, dry place.
No special transport requirements apply.
- Spills & Disposal** : Sweep up, but avoid generating dust. Wash area down with excess water.
The pH of waste-collection containers should be adjusted to 6 - 8.
- Fire/Explosion Hazard** : Decomposes on heating emitting toxic fumes.
- Hazardous Decomposition or Byproducts** : Oxides of sulfur.
- Fire Fighting Procedures** : Small fire : Use dry chemical, CO₂, water spray or foam.
Large fire : Use water spray, fog or foam.
If safe to do so, move undamaged containers from the fire area.
Cool containers with flooding quantities of water until well after the fire is out.
- Fire Fighting Precautions** : Wear SCBA and structural firefighter's uniform.
- Hazardous Reaction** : Will react with water, steam or acids to produce a toxic and corrosive material.
- Other : Toxicology** : LD i.v. (mice): 175 mg/kg
Oral Lowest Lethal Dose (rabbit): 2825 mg/kg
Oral Lowest Toxic Dose (human): 6 mg/kg causes CNS effects.
- Other Information** : Use prohibited in meats and other sources of vitamin B1.
- Risk Statement** : R22 Harmful if swallowed. R31 Contact with acids liberates toxic gas. R36/38 Irritating to eyes and skin.
- Safety Statement** : S26 In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre. S36/37 Wear suitable protective clothing and gloves.
- Hazard Category** : Harmful, Irritant



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References

: Australian Health Ministers' Advisory Council, 'Standard for the Uniform Scheduling of Drugs and Poisons No.13', AGPS, Canberra 1998.
Lewis, Richard J. Sr. 'Hawley's Condensed Chemical Dictionary 12th. Ed.', Rev., Van Nostrand Reinhold, NY, 1993.
National Road Transport Commission, 'Australian Dangerous Goods Code 6th. Ed.', AGPS, Canberra, 1998.
South Australia Government, 'Approved Code of Practice for the Labelling of Workplace Substances', 1995.
Standards Australia, 'Dangerous Goods - Initial Emergency Response Guide', 1997.
Worksafe Australia, 'Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1994)]', AGPS, Canberra 1994.
Worksafe Australia, 'List of Designated Hazardous Substances [NOHSC:10005(1994)]', AGPS, Canberra 1994.
Worksafe Australia, 'National Code of Practice for the Labelling of Workplace Substances [NOHSC:2012(1994)]', AGPS, Canberra 1994.
Worksafe Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]', AusInfo Dept of Finance and Admin, Canberra 1995.

User Codes

: Risks : 22-31-36/38
Safety : 26-36/37
CAS No : 7757-83-7

Contact Point

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Disclaimer statement:

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